23,130 9,416 6,557 4,361 2,322 2,027 564 Fig. 1

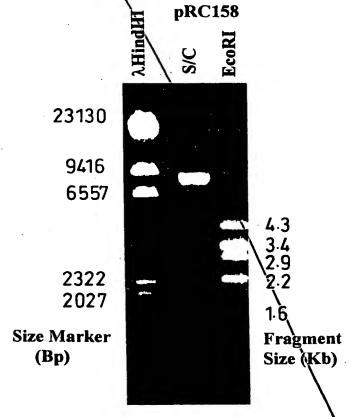
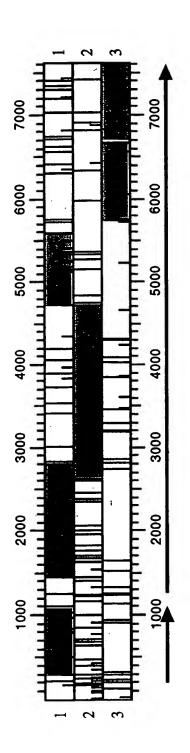


Fig. 2

SUBSTITUTE SHEET (RULE 26)

Fig 3



1035	27102
2805	47433
4720	69650
5586	32770
999	33894
7580	30586
	1035 2805 4720 5586 6665 7580

## Fig 4

10 30 50 GAATTCCATGTTCTTCTCCTTGCATGTGGCCCGCGTTGCCGAGGGCACTGCTCGGCCTGT CTTAAGGTACAAGAAGAGGAACGTACACCGGGCGCAACGGCTCCCGTGACGAGCCGGACA 90 CGCCGCAGAGGGCGCATGTCCGGGTGCCTGGATATGGCGCGTACGGCGTGCCCTCCGGC GCGGGCGTCTCCCGCGTACAGGCCCACGGACCTATACCGCGCATGCCGCACGGGAGGCCG 130 150 GTTAACCCCGAGGTTGGCCACGATGCCCCGGCCATCAGGTCTGGAATGCTAGCGTTCCAG CAATTGGGGCTCCAACCGGTGCTACGGGGCCGGTAGTCCAGACCTTACGATCGCAAGGTC 190 **ACGAAGGTAACCCACAGTGACTCACACCACAAGTACTAGAATGCAAGCTGTTGCGGTGAG** TGCTTCCATTGGGTGTCACTGAGTGTGGTGTTCATGATCTTACGTTCGACAACGCCACTC 250 270 290 CGCCGCGCATAAGGGGGAGCCATGTCCGGGACGCGGAAAGCCTGACTCGATGACC **GCGGCGCGTATTCCCCCTCGGTACAGGCCCTGCGGCTGCCTTTCGGACTGAGCTACTGG** 310 330 350 ACCACCGACACCGGCCCAAGCCGGGCAGTGAGGCCGCCCCTGCTCGCCAATGTCCGC T T D T G P K P G S E A A L L A N V R 370 390 ACCTCGGGGGCGCGCTGTCCTCCGCGTTGTACGACATTCTGAAGAACCGGCTGCTCGAA TGGAGCCCCGCGCGACAGGAGGCGCAACATGCTGTAAGACTTCTTGGCCGACGAGCTT T S G A R L S S A L Y D I L K N R L L E 430 450 470 CCCGCGATACGCCGTCCGCTCTTCTAGCAGCAGCTCAGCTAGGCCGTTCTCAAGCCCCAC G R Y A A G E K I V V E S I R Q E F G V 490 510 530 AGCAAGCAGCCGTCATGGACGCTCTGCGCCGCCTGTCCAGCGACAAGCTGGTCCACATC TCGTTCGTCGGCAGTACCTGCGAGACGCGGCGGACAGGTCGCTGTTCGACCAGGTGTAG S K Q P V M D A L R R L S S D K L V H I 550 570 590 GTTCCCCAGGTCGGTTGCGAGGTCGTCTCCTACGCCCCGCGCGAAGTGGAAGACTTCTAC CAAGGGGTCCAGCCAACGCTCCAGCAGAGGATGCGGGGCGCGCTTCACCTTCTGAAGATG V P Q V G C E V V S Y A P R E V E D F Y 630 650 610 ACCCTGTTCGGCGGTTTCGAAGGGACCATCGCCGCGGTAGCGGCCTCCCGGCGGACCGAG



TGGGACAAGCCGCCAAAGCTTCCCTGGTAGCGGCGCCATCGCCGGAGGGCCGCCTGGCTC TLFGGFEGTIAAVAASRRTE 690 670 GCCCAGTTGCTGGACCTGACCTGATCTCGGCGCGGGTCGACGCCCTGATCACCTCCCAC CGGGTCAACGACCTCGACTGGACTAGAGCCGCGCCCAGCTGCGGGACTAGTGGAGGGTG A Q L L E L D L I S A R V D A L I T S H 730 750 GACCCGGTGGTCCGCGCCCCGCGGTACCGCGTGCACAACCGGGAGTTCCATGCGGCCATC CTGGGCCACCAGGCGCGCGCCCATGGCGCACGTGTTGGCCCTCAAGGTACGCCGGTAG D P V V R A R G Y R V H N R E F H A A I 790 810 830 H A M A H S R I M E E T S Q R M W D L S 850 870 890 GACTTCTTGATCAACACCACCGGCATCACCAACCCGCTCTCGAGCGCACTGCCCGACCGG CTGAAGAACTAGTTGTGGTGGCCGTAGTGGTTGGGCGAGAGCTCGCGTGACGGCCTGGCC D F L I N T T G I T N P L S S A L P D R 930 950 910 GTCGTACTGGTGGTGCTTTAGTGGCTCCGGTAGGCGTTGGCACTGCGTCGACGGCGGCG O H D H H E I T E A I R N R D A A A A R 990 1010 970 GAGGCCATGGAACGCCACATCGTCGCACCATCGCAGTAATCCGCGACGAATCCAACGCC EAMERHIVGTIAVIRDESNA 1050 1070 1030 CAGCTGCCGAGCTAGACCCCGATACCCGGGCCATCGACCGGCTCCGCTATCGCGCCACCT GTCGACGGCTCGATCTGGGGCTATGGGCCCGGTAGCTGGCCGAGGCGATAGCGCGGTGGA QLPS \* 1090 ACGCCGAGGGGGGACTCTCGGCCGTAGCGCTGCAGACGATCCACCGGCACCCTCCACGCT TGCGGCTCCCCCTGAGAGCCGGCATCGCGACGTCTGCTAGGTGGCCGTGGGAGGTGCGA 1150 1170 1190 GACCCCTGTCTCGCCCTAGAGGGCCGGCGCGCCGTCGATCACCTTTACCCTCATCCAGAG CTGGGGACAGAGCGGGATCTCCCGGCCGCGCGGCAGCTAGTGGAAATGGGAGTAGGTCTC 1250 1230 1210 ACTTGCGTCACCCTCTATGCCCGAGTAGCGTCTGAACTAGACGTCTAGCATTCTAGTTGA TGAACGCAGTGGGAGATACGGGCTCATCGCAGACTTGATCTGCAGATCGTAAGATCAACT 1270 1290 1310 GTGCTCCCTCTCGAAGATTCTCCAGAGAACCCCTCTCGAACATCCCCAGAAGAAAGGAGC

CACGAGGGAGAGCTTCTAAGAGGTCTCTTGGGGAGAGCTTGTAGGGGTCTTCTTTCCTCG 1330 1350 GGCCATGACGACCGCTTCGCACGCATCGTCCTTCGGGGCACGAGCCCACTTCCGCCCACA CCGGTACTGCTGCGAAGCGTGCGTAGCAGGAAGCCCCGTGCTCGGGTGAAGGCGGGTGT 1410 GATCGGGGAAGCCCGACCGTGAGCACCACACCTACCTCCCCGACGAAGACCTCACCGCTG CTAGCCCCTTCGGGCTGGCACTCGTGGTGTGGATGGAGGGGCTGCTTCTGGAGTGGCGAC 1470 CGGGTAGCGATGGCCAGCTTCATCGGTACCACCGTCGAGTACTACGACTTCTTCATCTAC GCCCATCGCTACCGGTCGAAGTAGCCATGGTGGCAGCTCATGATGCTGAAGAAGTAGATG M A S F I G T T V E Y Y D F F I Y 1510 1530 GGCACCGCGCCGCTGGTATTCCCTGAGTTGTTCTTCCCGGATGTCTCGTCCGCGATC CCGTGGCGCCGCGCGACCATAAGGGACTCAACAAGAAGGGCCTACAGAGAGCAGGCGCTAG G T A A A L V F P E L F F P D V S S A I 1570 1590 GILLSFATFSVGFLARPLGG 1630 1650 ATAGTGTTCGGGCACTTCGGTGACCGGGTCGGCCGCAAGCAGATGCTGGTGATCTCCCTG TATCACAAGCCCGTGAAGCCACTGGCCCAGCCGGCGTTCGTCTACGACCACTAGAGGGAC I V F G H F G D R V G R K Q M L V I S L 1710 1730 1690 GTCGGAATGGGCTCGGCCACCGTACTGATGGGATTGTTGCCCGGTTACGCCCAAATCGGG CAGCCTTACCCGAGCCGGTGGCATGACTACCCTAACAACGGGCCAATGCGGGTTTAGCCC V G M G S A T V L M G L L P G Y A Q I G 1790 1750 1770 ATCGCCGCCCCATCCTGCTGACCCTGCTGCGCCTGGTGCAGGGCTTTGCCGTCGGCGGC TAGCGGCGGGGTAGGACGACTGGGACGACGCGGACCACGTCCCGAAACGGCAGCCGCCG I A A P I L L T L L R L V Q G F A V G G 1850 1830 1810 GAGTGGGGTGGAGCCACCCTGATGGCCGTCGAGCACGCCCCCACCGCGAAGAAGGGCTTT CTCACCCCACCTCGGTGGGACTACCGGCAGCTCGTGCGGGGGTGGCGCTTCTTCCCGAAA EWGGATLMAVEHAPTAKKGF 1890 1870 TTCGGATCCTTCTCCCAGATGGGGGCACCCGCCGGGACCAGCGTCGCAACCCTGGCGTTC AAGCCTAGGAAGAGGGTCTACCCCCGTGGGCGGCCCTGGTCGCAGCGTTGGGACCGCAAG F G S F S Q M G A P A G T S V A T L A F

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1930

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TTCGCGGTCTCCCAATTGCCCGACGAGCAGTTCCTGAGTTGGGGGCTGGCGACTGCCGTTC

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AAGCGCCAGAGGGTTAACGGGCTGCTCGTCAAGGACTCAACCCCGACCGCTGACGGCAAG F A V S Q L P D E Q F L S W G W R L P F 2010 CTGTTCAGCGCGGTGCTGATCGTGATCGGGCTGTTCATTCGCCTGTCCCTGGCCGAAAGC GACAAGTCGCGCCACGACTAGCACTAGCCCGACAAGTAAGCGGACAGGGACCGGCTTTCG L F S A V L I V I G L F I R L S L A E S 2050 2070 CCCGACTTCGCCGAGGTGAAGGCACAGAGCGCCGTGGTGCGAATGCCGATCGCCGAAGCG GGGCTGAAGCGGCTCCACTTCCGTGTCTCGCGGCACCACGCTTACGGCTAGCGGCTTCGC PDFAEVKAOSAVVRMPIAEA 2110 2130 2150 F R K H W K E I L L I A G T Y L S Q G V 2190 2170 2210 TTCGCCTATATCTGCATGGCCTACCTCGTCTCCTACGGCACCACCGTCGCGGGGATCAGC AAGCGGATATAGACGTACCGGATGGAGCAGAGGATGCCGTGGTGGCAGCGCCCCTAGTCG F A Y I C M A Y L V S Y G T T V A G I S 2230 2250 CGCACCTTCGCCCTGGCCGGAGTATTCGTCGCCGGCATCGTCGCCGTCCTCCTACCTC GCGTGGAAGCGGACCGCCTCATAAGCAGCGGCCGTAGCAGCGGCAGGAGAGATGGAG R T F A L A G V F V A G I V A V L L Y L 2290 2310 GTGTTCGGCGCTCTGTCCGACACTTTCGGCCGCAAGACCATGTACCTGCTCGGCGCCGCC CACAAGCCGCGAGACAGGCTGTGAAAGCCGGCGTTCTGGTACATGGACGAGCCGCGGCGG V F G A L S D T F G R K T M Y L L G A A 2350 2370 GCGATGGGTGTGGTGATCGCCCCGCCTTCGCACTGATCAACACCGGCAACCCGTGGCTG CGCTACCCACACCACTAGCGGGGGGGGGAAGCGTGACTAGTTGTGGCCGTTGGGCACCGAC A M G V V I A P A F A L I N T G N P W L 2430 2410 TTCATGGCCGCGCGGGTGCTGGTCTTCGGAATTGCAATGGCCCCCGCCGCCGCCGCGTGACA **AAGTACCGCCGCCCCACGACCAGAAGCCTTAACGTTACCGGGGGCGGCCGCCCCACTGT** F M A A Q V L V F G I A M A P A A G V T 2470 2490 GGCTCCCTGTTCACGATGGTCTTCGACGCGGACGTGCGCTACAGCGGTGTCTCTATCGGC  ${\tt CCGAGGGACAAGTGCTACCAGAAGCTGCGCCTGCACGCGATGTCGCCACAGAGATAGCCG}$ G S L F T M V F D A D V R Y S G V S I G 2570 2530 2550 TACACCATCTCCCAGGTCGCCGGCTCCGCGTTCGCCCCGACGATCGCGACCGCCTTGTAC ATGTGGTAGAGGGTCCAGCGGCCGAGGCGCAAGCGGGGCTGCTAGCGCTGGCGGAACATG Y T I S Q V A G S A F A P T I A T A L Y

2590 2610 2630 GCCTCCACCAACACCAGCAACTCGATCGTGACCTACCTGCTGATCGTCTCGGCCATCTCG CGGAGGTGGTTGTGGTCGTTGAGCTAGCACTGGATGGACGACTAGCAGAGCCGGTAGAGC A S T N T S N S I V T Y L L I V S A I S 2650 2670 2690 ATCGTCTCGGTGATCCTGCCCGGCGGCGCTGGGGGCGCAAGGGCCGCTGCGAGCCAGCTC TAGCAGAGCCACTAGGACGACGGCCGCCGACCCCCGCGTTCCCGCGACGCTCGGTCGAG I V S V I L L P G G W G R K G A A S Q L 2730 ACTCGCGACCAGGCCACCTCCACACCGAAAATGCCTGACACCGAAACATTTTCGACTCGG TGAGCGCTGGTCGGAGGTGTGGCTTTTACGGACTGTGGCTTTGTAAAAGCTGAGCC T R D Q A T S T P K M P D T E T F S T R 2770 2790 T V P D T A A S L R V L D K \* 2830 2850 2870 GAGTGACCACGACCGCACCTCCTACGACACCGACGTCGTGATCGTCGGCCTCGGCCCCGC CTCACTGGTGCTGGCGGGGGTGCTGTGGCTGCAGCACTAGCAGCCGGAGCCGGGGCG S D H D R T S Y D T D V V I V G L G P A 2890 2910 CGGTGGCACAGCGGCGTTGCCCTGGCCAGCTACGGCATCCGCGTTCACGCCGTCTCGAT GCCACCGTGTCGCCGCGAACGGGACCGGTCGATGCCGTAGGCGCAAGTGCGGCAGAGCTA  $\hbox{\tt G} \hbox{\tt G} \hbox{\tt T} \hbox{\tt A} \hbox{\tt A} \hbox{\tt L} \hbox{\tt A} \hbox{\tt L} \hbox{\tt A} \hbox{\tt S} \hbox{\tt Y} \hbox{\tt G} \hbox{\tt I} \hbox{\tt R} \hbox{\tt V} \hbox{\tt H} \hbox{\tt A} \hbox{\tt V} \hbox{\tt S} \hbox{\tt M}$ 2950 2970 F P W V A N S P R A H I T N Q R A V E V 3010 3030 3050 GCTGCGTGACCTGGGCGTCGAAGACGAGGCGCGCAACTACGCCACCCCGTGGGACCAGAT CGACGCACTGGACCCGCAGCTTCTGCTCCGCGCGTTGATGCGGTGGGGCACCCTGGTCTA LRDLGVEDEARNYATPWDQM 3070 3090 GGGCGACACGCTGTTCACCACGAGCCTGGCCGGCGAGGAGATCGTCCGGATGCAGACCTG CCCGCTGTGCGACAAGTGGTGCTCGGACCGGCCGCTCTCTAGCAGGCCTACGTCTGGAC G D T L F T T S L A G E E I V R M Q T W 3170 3130 3150 GGGTACGGCGATATCCGCTACGGGGACTACCTGTCCGGAAGCCCCTGCACGATGCTCGA CCCATGCCCGCTATAGGCGATGCCCCTGATGGACAGGCCTTCGGGGACGTGCTACGAGCT G T G D I R Y G D Y L S G S P C T M L D 3190 3230 3210 CATTCCGCAGCCCCTGATGGAGCCGGTGCTGATCAAGAACGCCGCCGAACGTGGTGCGGT

GTA/	AGG P	CGTC	:GGG P	GAC L	TAC M	E E	CGG( P	CA( V	CGAC L	TAC I	STTC K	TTC N	GCG( A	GCG( A	GCT" E	rgcz R	ACC/ G	ACGC A	ICA V
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CCG	CGC	CGG'	TAC	CGC	GTA	CAT	ССТ	GTT	CAA	CGC	GGA	CCT	GAG	CAA	АТА	TGT	CGC	TCA'	rcg
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GCC	GAG	CAT	CTT	GCA	CTG	GAT	CGT	CAA	CTC	GAA	.GGC	CGG	TTT	'CGG	TGA	GAT	'CGG	CAT	GGG
CGG	CT	GTA	GAA	CGT	GAC	CTA	.GCA	GTT	GAG	CTI	'CCG	GCC	AAA	GCC	ACT				CCC
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3850 3870 3890 GATCGCGTTCGTCGAAGGGGTATGCAGGACCGGGTCTGCTCGAGTCCTACTCTCTGA CTAGCGCAAGCACCTCCCCATACGTCCTGGCCCAGACGAGCTCAGGATGAGAGGACT I A F V V K G Y A G P G L L E S Y S P E 3910 3930 3950 GCGTGTTCCGGTCGCCAACAGATCGTCGCTCGCCCAACCAGTCCCGCAAGGACTACGC CGCACAAGGCCAGCCGTTTGTCTAGCAGCGAGCGCGGTTGGTCAGGGCGTTCCTGATGCG R V P V G K Q I V A R A N O S R K D Y A 3970 3990 4010 CGGGCTGCGCGAATGGTTCGATCACGAGAGCGACCCGGTCGCCGCCCGGCCTGGCAAA GCCCGACGCCTTACCAAGCTAGTGCTCTCGCTGCTGGGCCAGCGGCGGCCGGACCGTTT G L R E W F D H E S D D P V A A G L A K 4050 4030 4070 GTTGAAGGAACCCTCGTCCGAAGGTGTTGCTCTGCGTGAGCGGCTGTACGAGGCGCTGGA CAACTTCCTTGGGAGCAGGCTTCCACAACGAGACGCACTCGCCGACATGCTCCGCGACCT LKEPSSEGVALRERLYEALE 4090 4110 GGTGAAGAACGCCGAATTCAACGCCCAGGGCGTCGAACTCAACCAGCGCTACACCTCGTC CCACTTCTTGCGGCTTAAGTTGCGGGTCCCGCAGCTTGAGTTGGTCGCGATGTGGAGCAG V K N A E F N A Q G V E L N Q R Y T S S CGCGGTCGTTCCCGACCCCGAGGCGGCGAGGAAGTGTGGGTGCGCGATCGTGAGCTGTA GCGCCAGCAAGGGCTGGGGCTCCGCCCGCTCCTTCACACCCCACGCGCTAGCACTCGACAT A V V P D P E A G E E V W V R D R E L Y 4210 4230 4250 CCTGCAGGCCACCCCGGCCGGCGCGAAGCTGCCGCATGCGTGGCTGGTCGGCGCGCGA GGACGTCCGGTGGTGGCCCGCCCCCCCTTCGACGCCGTACGCACCGACCAGCCGCCGCT LOATTRPGAKLPHAWLVGAD 4310 4270 4290 CGGAACCCGCATCTCCACCCTCGACGTCACCGGCAAGGGAATGATGACCCTGCTGACCGG GCCTTGGGCGTAGAGGTGGAGCTGCAGTGGCCGTTCCCTTACTACTGGGACGACTGGCC G T R I S T L D V T G K G M M T L L T G 4350 4370 4330 ACTCGGCGGCCAGGCATGGAAGCGTGCCGCCCAAACTCGACCTGCCGTTCCTGCGGAC TGAGCCGCCGGTCCGTACCTTCGCACGGCGGCGGTTTGAGCTGGACGGCAAGGACGCCTG L G G Q A W K R A A A K L D L P F L R T 4430 4390 4410 CGTCGTTGTCGGCGAACCCGGCACCATCGACCCTTACGGATACTGGCGGGGGTCCGCGA GCAGCAACAGCCGCTTGGGCCGTGGTAGCTGGGAATGCCTATGACCGCCGCCCAGGCGCT V V V G E P G T I D P Y G Y W R R V R D

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CATCGACGAGGCCGGCGCCCTGCTCGTGCGGCCCGACGGCTACGTCGCGTGGCGACACAG

4450

GTAGCTGCTCCGGCCGCGGACGACGACGCCGGGCTGCCGATGCAGCGCACCGCTGTGTC I D E A G A L L V R P D G Y V A W R H S 4530 4550 TGCTCCGGTCTGGGACGACACCGAAGCGCTCACCAGCCTCGAGAACGCTCTCACCGCGGT ACGAGGCCAGACCCTGCTGTGGCTTCGCGAGTGGTCGGAGCTCTTGCGAGAGTGGCGCCA A P V W D D T E A L T S L E N A L T A V 4570 4590 4610 CCTCGACCACTCGGCCAGCGACAACGGGAACCCGAGCGGCACAAACGAGCCGCAGTACAG GGAGCTGGTGAGCCGGTCGTTGCCCTTGGGCTCGCCGTGTTTGCTCGGCGTCATGTC L D H S A S D N G N P S G T N E P Q Y S 4650 4670 4630 CACCGGGCCGTGCCGATCGTCGTTCCGCACGTTACCGCCGAGGATGCAGCACCAGCTTC GTGGGCCCGGCACGCTAGCAGCAAGGCGTGCAATGGCGGCTCCTACGTCGTGGTCGAAG TRAVPIVVPHVTAEDAAPAS 4710 4730 4690 CGCCACCGCACCACCACTCGAGGGAGAGAACCGATGACCCGTCCTTACACCAGCGTC GCGGTGGCGTGGTGTCAGCTCCCTCTCTTGGCTACTGGGCAGGAATGTGGTCGCAG A T R T T T V E G E N R \* MTRPYTSV 4750 4770 4790 W D D L N Q V E F S Q G F I Q A G P Y R 4850 4810 4830 ACCCGATACCTGCACGCCGCGATTCGTCCAAGCCCACGCTGATCCTGCTGCACGCATC TGGGCTATGGACGTGCGGCCGCTAAGCAGGTTCGGGTGCGACTAGGACGACGTGCCGTAG TRYLHAGDSSKPTLILLHGI 4890 4910 4870 ACCGGCCACGCCGAGGCGTACGTGCGCAATCTGCGCTCGCATTCCGAGCACTTCAACGTC TGGCCGGTGCGGCTCCGCATGCACGCGTTAGACGCGAGCGTAAGGCTCGTGAAGTTGCAG T G H A E A Y V R N L R S H S E H F N V 4950 4970 4930 TGGGCAATCGACTTCATCGGCCACGGCTATTCGACCAAGCCCGACCACCCGCTCGAGATC ACCCGTTAGCTGAAGTAGCCGGTGCCGATAAGCTGGTTCGGGCTGGTGGGCGAGCTCTAG WAIDFIGHGYSTKPDHPLEI 5030 5010 4990 AAGCACTACATCGACCACGTGCTGCAGTTGCTGGACGCCATCGGCGTCGAGAAGGCCTCG TTCGTGATGTAGCTGGTGCACGACGTCAACGACCTGCGGTAGCCGCAGCTCTTCCGGAGC K H Y I D H V L Q L L D A I G V E K A S 5090 5070 5050 TTTTCCGGGGAGTCTCTCGGCGGTTGGGTCACCGCCCAGTTCGCGCACGACCATCCCGAG AAAAGGCCCCTCAGAGAGCCGCCAACCCAGTGGCGGGTCAAGCGCGTGCTGGTAGGGCTC F S G E S L G G W V T A Q F A H D H P E

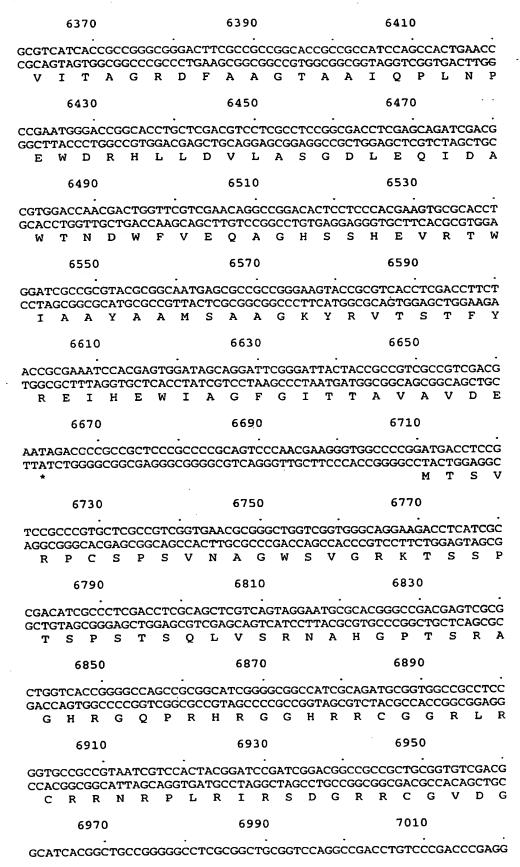
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5150 5110 5130 AAGGTCGACCGGATCGTGCTCAACACCATGGGCGGCACCATGGCCAACCCTCAGGTGATG TTCCAGCTGGCCTAGCACGAGTTGTGGTACCCGCCGTGGTACCGGTTGGGAGTCCACTAC K V D R I V L N T M G G T M A N P Q V M 5170 5190 GAACGTCTCTATACCCTGTCGATGGAAGCGGCGAAGGACCCGAGCTGGGAACGCGTCAAA CTTGCAGAGATATGGGACAGCTACCTTCGCCGCTTCCTGGGCTCGACCCTTGCGCAGTTT E R L Y T L S M E A A K D P S W E R V K 5270 5230 5250 GCACGCCTCGAATGGCTCATGGCCGACCCGACCATGGTCACCGACGACCTGATCCGCACC CGTGCGGAGCTTACCGAGTACCGGCTGGGCTGGTACCAGTGGCTGCTGGACTAGGCGTGG A R L E W L M A D P T M V T D D L I R T 5330 5290 5310 CGCCAGGCCATCTTCCAGCAGCCGGATTGGCTCAAGGCCTGCGAGATGAACATGGCACTG GCGGTCCGGTAGAAGGTCGTCGGCCTAACCGAGTTCCGGACGCTCTACTTGTACCGTGAC RQAIFQQPDWLKACEMNMAL 5390 5350 5370 CAGGACCTCGAAACCCGCAAGCGGAACATGATCACCGACGCCACTCTCAACGGCATCACG GTCCTGGAGCTTTGGGCGTTCGCCTTGTACTAGTGGCTGCGGTGAGAGTTGCCGTAGTGC Q D L E T R K R N M I T D A T L N G I T 5430 5410 GTGCCCGCGATGGTGCTGTGGACCACCAAGGACCCCTCCGGTCCGGTCGACGAAGCCAAG CACGGGCGCTACCACGACACCTGGTGGTTCCTGGGGAGGCCAGGCCAGCTGCTTCGGTTC V P A M V L W T T K D P S G P V D E A K 5490 5510 5470 CGCATCGCCTCCCACATCCCGGGCGCCAAGCTGGCCATCATGGAGAACTGTGGCCACTGG GCGTAGCGGAGGGTGTAGGGCCCGCGGTTCGACCGGTAGTACCTCTTGACACCGGTGACC RIASHIPGAKLAIMENCGHW 5530 5550 CCCCAGTACGAGGACCCCGAGACCTTCAACAAGCTGCATCTGGACTTCCTCCTCGGTCGC GGGGTCATGCTCCTGGGGCTCTGGAAGTTGTTCGACGTAGACCTGAAGGAGGAGCCAGCG PQYEDPETFNKLHLDFLLGR 5610 5690 5670 5650 TCTCACTTACCCGACCTATTGCGCTCTCGTCCGGACCCCCGGAGAGAAAGCGCCGAAGCA AGAGTGAATGGGCTGGATAACGCGAGAGCAGGCCTGGGGGCCTCTCTTTCGCGGCTTCGT 5730 5710 GCAGCAAGGAGACCGCCGCGATGCCTGTAGCGCTGTGCGCGATGTCGCACTCCCCCTGA

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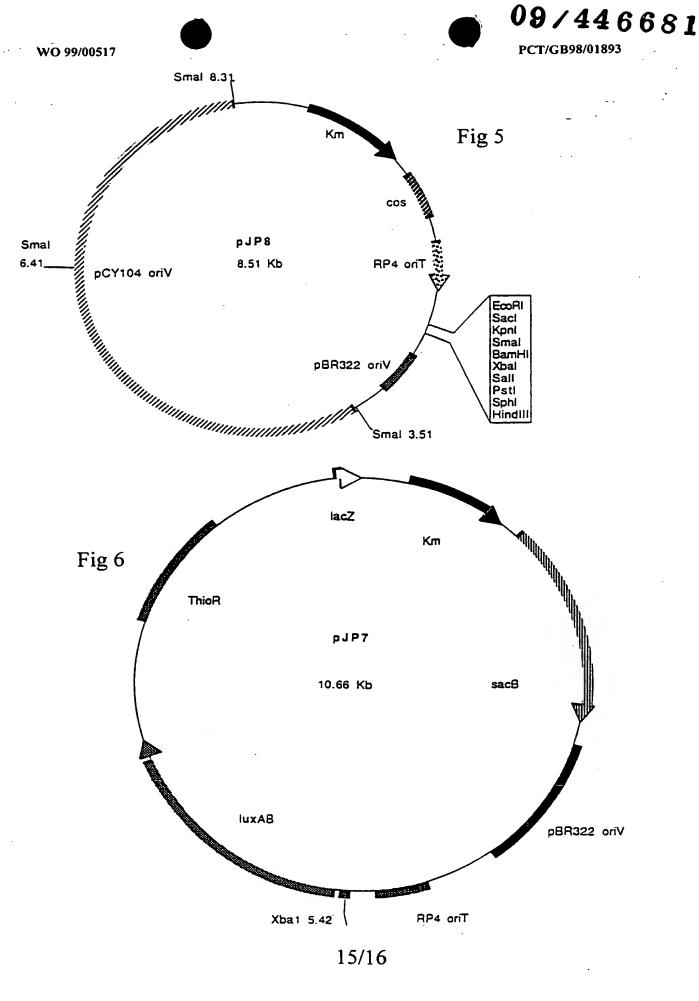
CGTCGTTCCTCTGGCGGCGCTACGGACATCGCGACACGCGCTACAGCGTGAGGGGGGACT														CT					
						M	P	V	A	L	С	A	M	S	Н	S	P	L	M
	57	70						579	0						5810	)			-
TGGG	ACGO	:AAC	GAC	ccc	GAA	CAC	GA.	AGTC	· :ATC	CGAC	CGC	CGTY	CGA	CGC	CGC	· \TT(	CGA	CA	CG
ACCC'																			
G	R	N	D	P	E	Q	E	V	I	D	A	V	D	A	A	F	D	Н	A
	58	330						585	0						5870	)			
CGCG		יתיתי	-C-TC		יראר	• ጥጥ/			'C a r	ייריתי	~ » m/	CCT/	ግ እ <b>ጥ</b> ረ	~ <b>സ</b> സ.	CCC		CA	יר אי	СТ
GCGC																			
R	R	F	v	A	D	F	A	P		L	I	v	I	F	A	P	D	H	Y
	58	390						591							593(	0			
TGTT																			
N	G		F	Y	D	L	L	P		F		I	G	A	A	Α	Q	s	V
	59	950						59	70						599	0			
		_ <b>.</b>																	
TCGG AGCC																			
AGCC.	D D	Y.	G	T	E.	A	GCC		L	D	U V	D	R	D	A	A	Y	A	v
Ū	_	- 010		•	_			60:	30	_	·	_		_	605	0			
	•														•••				
TCGC																			
AGCG				-															
A	R	D	V	L	D	S	G	I	D	V	A	F	S	E	R	M	H	V	D
	6	070						60	90						611	0			
ACCA	CGG	ATT	CGC	CCA	AGC.	ACT	CCA	ATT	GCT	GGT	CGG	ATC	GAT	CAC	:CGC	CGT	GCC	GAC	CG
TGGT			-																
H	G	F	A	Q	A	L	Q	L	L	V	G	s	I	T	A	V	P	T	v
	6	130						61	50						617	0			
TGCC	יר איני		יר א ידי	ממיש	ጥጥር	'CCT	יככר	CCA	acc	יכריו	rece	دردر	יכפיו	יראכ	בררפ	:ССП	יארכ	יכריו	GC.
ACGG																			
P	I	F	I	N	s	V	A	E	P	L	G	P	v	s	R	V	R	L	L
	6	190	)					62	10						623	0			
TCGC																			
AGCC G								A											
J					-					_					629				
	6	250	,					62	70						023				
CCG	CGG	CC3	CTC	CCA	CGA	ACCC	CGC	CGGI	ccc	:GC	AGT"	rcg	CCA	CCG	CGCC	CAG	AGG!	\AG'	rgc
GGC	CGCC	GGZ	CAC	GGT	GC1	rgg	GCG	GCCA	\GG(	GCG:	rca.	AGC	GGT	GC(	GCGC	TC:	rcc?	PTC.	ACG
G	G	L	s	H	D	P	P	V	P	Q	F	A	T	A	P	E	E	V	R
		/						63	330						635	٠.			
	•	3310	,			_		0.3					_		0.5				
GCG	AGC	GT.	rga:	rcg <i>i</i>	ACGO	3CC	GCA	ATC	CA	GTG	CCG	CCG	AAC	GTG	ATG	CCC	GCG	AAC.	AGC
CGC'	rcg	CA	ACTA	AGC	rgco	CGG	CGT	TAG	GT(	CAC	GGC	GGC'	TTG	CAC	TAC	GGG	CGC'	rtg'	TCG
	_		-	<b>D</b>	C	D	N	D	S	Δ	Δ	E	R	D	A	R	E	0	R

● 09/446681 PCT/GB98/01893



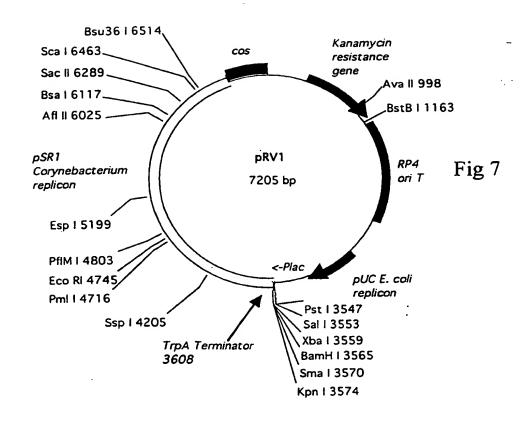
● 09/446681 PCT/GB98/01893

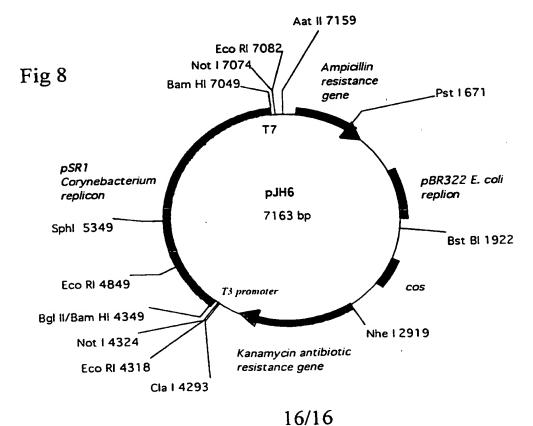
CGTAGTGCCGACGCCCGGAGCGCCGACGCCAGGTCCGGCTGGACAGGGCTGGGCTCC														CC					
I	T	A	Α	G	G	L	A	A	Α	V	Q	A	D	L	S	R	P	E	G
	70	30						705	50						707	)			-
cccc	מביא ז	GDC	<u>э</u> С-тү	יייי	acc.	36 M	المسات	רכי אר	· ~~~					m/cm		~~~~	~~ N	200	
GGCCTGAAGAGCTGATGCGGGAGTTCGACTCCGCGCTCGACGGTCTCGGGCTCGACCGAC														TC					
P	E	E	L	M	R	E	F	D	S	Α		D	G	L			D	R	G
	70	90						711	10						713	)			
GGCT	CCAC	אידי מי	~~m	ന്ന് പ	~ > > (	~ n n/				~ > ~	mcc.			200	CCT/	~~ > (		~~m	C N
CCGA																			
L	D	I	L	v	N	N	A	G	I	s	R	R	G		L	E	R	V	T
7150 7170 7190														0					
CTGTCGAGGATTTCGACCGTCTGGTCGCACTCAACCAGCGCGCCCCGTTCTTCGTGACT															ТС				
GACAGCTCCTAAAGCTGGCAGACCAGCGTGAGTTGGTCGC																			
v	E	D	F	D	R	L	V	A		N	Q	R	A		F	F	v	T	R
	7:	210						72:	30						725	0			
						•													
GGCA																			
CCGT	'ACG( A		CGG P	GGC R	CTA M														
H	A	L	P	R	M	Н	D	G	G	R	I	V	N	I	s	S	G <sub>.</sub>	s	A
	7:	270						72	90						731	0			
						•										•			
CCCG																			
GGGC R	.GAT		GIC R	P	GCT	GCA V	GIA	S	GAT Y	GCG A	GTA M	T	GTT K	G	.CCG	I	GCT E	CCA V	L
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7330 7350 7370																			
TCAC	יררה	CGC	ССТ	CGC	CGT	'AGA	ССТ	ירפפ	CGA	ACG	acc	דער:	יראכ	ירפר	ממי	CGC	ССТ	GGC	GC
AGTG																			
T	R	A	L	A	v	D	V	G	E	R	G	I	T	A	N	Α	v	A	P
	7	390						74	10						743	0			
			~~~	m > 0				~~~									maa		
CGGC																			
GCCC	A A	L	D	ጥ	D	M	N	A	H	W	L L	R	G	D.	D	Н	A	R	T
		_	_	_	_					•••	_		_		_				
	7	450						74	70						749	0			
CCAC			CTC		יראר	·mcc	· >		• • • • • • • • • • • • • • • • • • • •	200				,,,,,		Сът	ccc	ccc	G N
GGTC																			
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	7	510	1					75	30						755	0			
TCG	rggc	CTI	CCI	rcgi	CAC	SCGC	CGC	CGC	CGC	TGC	GA	rcac	CGC	GCZ	AGGI	CAT	rcg?	CGC	CA
AGC																			
v	A	F	L	v	s	A	A	Α	G	A	I	T	G	Q	v	I	D	A	T
	7	570	)																
GGT		-																	



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